



SEQUENCE LISTING

<110> PRICE, PAUL A

JOHANSEN, JULIA S

<120> ASSAY FOR YKL-40 AS A MERKER FOR DEGRADATION OF  
MAMMALIAN CONNECTIVE TISSUE MATRICES

<130> M-8954-2US

<140> 09/215,077

<141> 1998-12-18

<160> 4

<170> PatentIn Ver. 2.0

<210> 1

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:N-terminal  
amino acid sequence for the YKL-40 protein.

<400> 1

Tyr Lys Leu Val Cys Tyr Tyr Thr Ser Trp Ser Gln Tyr Arg Glu Gly

1

5

10

15

Asp Gly Ser Xaa Phe Pro Asp Ala Leu

20

25

<210> 2

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: An internal  
amino acid sequence for the YKL-40 protein (YKL-40  
peptide A).

<400> 2

Leu Asn Thr Leu Lys Asn Arg Asn Pro Asn Leu Lys Thr Leu Leu Ser

1

5

10

15

Val Gly Gly

<210> 3

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:YKL-40 peptide

B.

<400> 3

Leu Arg Leu Gly Ala Pro Ala

1

5

<210> 4

<211> 1681

<212> DNA

<213> Artificial Sequence

a!  
cont.  
<220>

<223> Description of Artificial Sequence:cDNA nucleotide  
sequence for the coding region of the gene for  
YKL-40.

<400> 4

ctaggtagct ggcaccagga gccgtgggca aggggaagagg ccacaccctg ccctgctctg 60  
ctgcagccag aatgggtgtg aaggcgtctc aaacaggctt tgtggtcctg gtgctgctcc 120  
agtgtgtctc tgcatacaaa ctggtctgct actacaccag ctggtcccag taccgggaag 180  
gcgatgggag ctgcttccca gatgcccttg accgcttcct gtgtaccac atcatctaca 240  
gctttgccaa tataagcaac gatcacatcg acacctggga gtggaatgat gtgacgctct 300  
acggcatgct caacacactc aacaacacga accccaacct gaagactctc ttgtctgtcg 360  
gaggatggaa ctttgggtct caaagatttt ccaagatagc ctccaacacc cagagtcgcc 420  
ggactttcat caagtcagta ccgccatttc tgcgcacca tggctttgat gggcgtgacc 480  
ttgcctggct ctaccctgga cggagagaca aacaccattt taccacccta atcaaggaaa 540  
tgaaggccga atttataaag gaagcccagc cagggaaaaa gcagctcctg ctcagcgag 600

cactgtctgc ggggaaggtc accattgaca gcagctatga cattgccaag atatcccaac 660  
acctggattt cattagcatc atgacctacg attttcatgg cgcctggcgt gggaccacag 720  
gccatcacag tcccctcagg cgaggtcagg aggatgcaag tcctgacaga ttcagcaaca 780  
ctgactatgc tgggggtac atgttgaggc tgggggctcc tgccagtaag ctggatgatgg 840  
gcatccccac cttcgggagg agcttcactc tggcttcttc tgagactggt gttccagcgc 900  
caatctcagg accgggaatt ccaggccggt tcaccaagga ggcagggacc cttgcctact 960  
atgagatctg tgacttcctc cgcggagcca cagtccatag aaccctcggc cagcaggtcc 1020  
cctatgccac caagggcaac cagtgggtag gatacgacga ccaggaaagc gtcaaaagca 1080  
aggtgcagta cctgaaggat aggcagctgg caggcgccat ggtatgggcc ctggacctgg 1140  
atgacttcca gggctccttc tgcggccagg atctgcgctt ccctctcacc aatgccatca 1200  
aggatgcact cgctgcaacg tagccctctg ttctgcacac agcacggggg ccaaggatgc 1260  
cccgccccg tctggctggc cgggagcctg atcactgcc ctgctgagtc ccaggctgag 1320  
cctcagtctc cctcccttgg ggcctatgca gaggtccaca acacacagat ttgagctcag 1380  
ccctgggtggg cagagaggta cacacttggt gatgattaat ggaaatgttt acagatcccc 1440  
aagcctggca agggaatttc ttcaactccc tgccccctag ccctccttat caaaggacac 1500  
cattttggca agctctatca ccaaggagcc aaacatccta caagacacag tgaccatact 1560  
aattataccc cctgcaaagc cagcttgaac ccttcactta ggaacgtaat cgtgtccctt 1620  
atcctacttc cccttcctaa ttccacagct gctcaataaa gtacaagagt ttaacagtgt 1680  
g 1681

(  
a  
word.